

Course content

Section 1: Introduction

0 / 9 | 15min

0 of 9 lectures completed15min

1. Introduction to Asp.Net Core
- 2. WebForms [vs] Asp.Net Mvc [vs] Asp.Net Core**
- 3. Section Cheat Sheet (PPT)**
- Assignment 1: Section 1 Interview Questions**
- 4. Where to download the Source Code**
- 5. How to download Notes**
- 6. New features of Asp.Net Core 9**
- 7. What if I'm interested in Web API only?**
- 8. How to watch videos effectively (Best study method)?**

Section 2: Getting Started

0 / 7 | 50min

0 of 7 lectures completed50min

9. Setup Environment
- 10. Create First Asp.Net Core App**
- 11. Kestrel and Other Servers**
- 12. launchSettings.json**
- 13. Notes**
- 14. Section Cheat Sheet (PPT)**
- Assignment 2: Section 2 Interview Questions**

Section 3: HTTP

0 / 14 | 1hr 58min

0 of 14 lectures completed1hr 58min

15. Introduction to HTTP
- 16. HTTP Response**
- 17. HTTP Status Codes**
- 18. HTTP Response Headers**
- 19. HTTP Request**

- 20. Query String
- 21. HTTP Request Headers
- 22. Postman
- 23. HTTP Get vs Post - Part 1
- 24. HTTP Get vs Post - Part 2
- 25. Notes
- 26. Section Cheat Sheet (PPT)
- Assignment 3: Section 3 Interview Questions
- Assignment 4: Math app though HTTP GET

Section 4: Middleware

0 / 12 | 1hr 29min

0 of 12 lectures completed 1hr 29min

- 27. Intro to Middleware
- 28. Run
- 29. Middleware Chain
- 30. Custom Middleware Class
- 31. Custom Middleware Extensions
- 32. Custom Conventional Middleware Class
- 33. The Right Order of Middleware
- 34. UseWhen
- 35. Notes
- 36. Section Cheat Sheet (PPT)
- Assignment 5: Section 4 Interview Questions
- Assignment 6: Login using Middleware

Section 5: Routing

0 / 16 | 2hr 32min

0 of 16 lectures completed 2hr 32min

- 37. Intro to Routing
- 38. Map, MapGet, MapPost
- 39. GetEndPoint
- 40. Route Parameters
- 41. Default Parameters

- 42. Optional Parameters
- 43. Route Constraints - Part 1
- 44. Route Constraints - Part 2
- 45. Route Constraints - Part 3
- 46. Custom Route Constraint Class
- 47. EndPoint Selection Order
- 48. WebRoot and UseStaticFiles
- 49. Notes
- 50. Section Cheat Sheet (PPT)
- Assignment 7: Section 5 Interview Questions
- Assignment 8: Countries app using Routing

Section 6: Controllers & IActionResult

0 / 14 | 2hr 33min

0 of 14 lectures completed2hr 33min

- 51. Creating Controllers
- 52. Multiple Action Methods
- 53. Takeouts about Controllers
- 54. ContentResult
- 55. JsonResult
- 56. File Results
- 57. IActionResult
- 58. Status Code Results
- 59. Redirect Results - Part 1
- 60. Redirect Results - Part 2
- 61. Notes
- 62. Section Cheat Sheet (PPT)
- Assignment 9: Section 6 Interview Questions
- Assignment 10: Bank app using Controllers

Section 7: Model Binding and Validations

0 / 23 | 4hr 1min

0 of 23 lectures completed4hr 1min

- 63. Overview of Model Binding

- 64. Query String vs Route Data
- 65. FromQuery and FromRoute
- 66. Model Class
- 67. form-urlencoded and form-data
- 68. Introduction to Model Validations
- 69. Model State
- 70. All Model Validations - Part 1
- 71. All Model Validations - Part 2
- 72. Custom Validation
- 73. Custom Validation with Multiple Properties
- 74. IValidatableObject
- 75. Bind and BindNever
- 76. FromBody
- 77. Input Formatters
- 78. Custom Model Binders
- 79. Model Binder Providers
- 80. Collection Binding
- 81. FromHeader
- 82. Notes
- 83. Section Cheat Sheet (PPT)
- Assignment 11: Section 7 Interview Questions
- Assignment 12: e-Commerce Orders App

Section 8: Razor Views

0 / 22 | 3hr 20min

0 of 22 lectures completed 3hr 20min

- 84. MVC Architecture Pattern
- 85. Views**
- 86. Code Blocks and Expressions**
- 87. If
- 88. Switch
- 89. Foreach
- 90. for

- 91. Literal
- 92. Local Functions
- 93. Html.Raw
- 94. ViewData - Part 1
- 95. ViewData - Part 2
- 96. ViewBag
- 97. Strongly Typed Views - Part 1
- 98. Strongly Typed Views - Part 2
- 99. Strongly Typed Views with Multiple Models
- 100. _ViewImports.cshtml
- 101. Shared Views
- 102. Notes
- 103. Section Cheat Sheet (PPT)
- Assignment 13: Section 8 Interview Questions
- Assignment 14: Weather App

Section 9: Layout Views

0 / 12 | 1hr 23min

0 of 12 lectures completed 1hr 23min

- 104. Creating Layout Views - Part 1
- 105. Creating Layout Views - Part 2
- 106. Layout View for Multiple Views
- 107. ViewData in Layout Views
- 108. _ViewStart.cshtml
- 109. Dynamic Layout Views
- 110. Layout Views Sections
- 111. Nested Layout Views
- 112. Notes
- 113. Section Cheat Sheet (PPT)
- Assignment 15: Section 9 Interview Questions
- Assignment 16: Weather App with Layout Views

Section 10: Partial Views

0 / 8 | 1hr 13min

0 of 8 lectures completed1hr 13min

114. Creating Partial Views

115. Partial Views with ViewData

116. Strongly Typed Partial Views

117. PartialViewResult

118. Notes

119. Section Cheat Sheet (PPT)

Assignment 17: Section 10 Interview Questions

Assignment 18: Weather App with Partial Views

Section 11: View Components

0 / 10 | 1hr 32min

0 of 10 lectures completed1hr 32min

120. Creating View Components - Part 1

121. Creating View Components - Part 2

122. View Components with ViewData

123. Strongly Typed View Components

124. View Components with Parameters

125. ViewComponentResult

126. Notes

127. Section Cheat Sheet (PPT)

Assignment 19: Section 11 Interview Questions

Assignment 20: Weather App with View Components

Section 12: Dependency Injection

0 / 17 | 2hr 39min

0 of 17 lectures completed2hr 39min

128. Services - Part 1

129. Services - Part 2

130. Dependency Inversion Principle

131. Inversion of Control

132. Dependency Injection

133. Method Injection - FromService

- 134. Transient, Scoped, Singleton - Part 1
- 135. Transient, Scoped, Singleton - Part 2
- 136. Service Scope
- 137. AddTransient(), AddScoped(), AddSingleton()
- 138. View Injection
- 139. Best Practices for DI
- 140. Autofac
- 141. Notes
- 142. Section Cheat Sheet (PPT)
- Assignment 21: Section 12 Interview Questions
- Assignment 22: Weather App with Dependency Injection

Section 13: Environments

0 / 7 | 59min

0 of 7 lectures completed59min

Lecture incomplete. Progress cannot be changed for this item.

Play

- 143. Introduction to Environments
- 144. Environment in Launch Settings
- 145. Environment in Controller
- 146. Environment Tag Helper
- 147. Process Level Environment
- 148. Notes
- 149. Section Cheat Sheet (PPT)
- 1min

Section 14: Configuration

9 / 17 | 2hr 50min

9 of 17 lectures completed2hr 50min

- 150. Configuration Basics
- 151. IConfiguration in Controller
- 152. Hierarchical Configuration
- 153. Options Pattern
- 154. Configuration as Service

- 155. Environment Specific Configuration
- 156. Secrets Manager
- 157. Environment Variables Configuration
- 158. Custom Json Configuration
- 159. Http Client - Part 1
- 160. Http Client - Part 2
- 161. Http Client - Part 3
- 162. Notes
- 163. Section Cheat Sheet (PPT)
- Assignment 23: Section 14 Interview Questions
- Assignment 24: Social Media Links
- Assignment 25: Stocks App with Configuration

Section 15: xUnit

14 / 33 | 6hr 2min

14 of 33 lectures completed 6hr 2min

- 164. Project Overview | Contacts Manager
- 165. xUnit Basics
- 166. Add Country - xUnit Test - Part 1
- 167. Add Country - xUnit Test - Part 2
- 168. Add Country - xUnit Test - Part 3
- 169. Add Country - Implementation
- 170. Get All Countries - xUnit Test
- 171. Get All Countries - Implementation
- 172. Get Country by Country ID - xUnit Test
- 173. Get Country by Country ID - Implementation
- 174. Add Person - Creating Models - Part 1
- 175. Add Person - Creating Models - Part 2
- 176. Add Person - xUnit Test
- 177. Add Person - Implementation
- 178. Add Person - Validation
- 179. Get Person By Person ID - xUnit Test
- 180. Get Person By Person ID - Implementation

- 181. Get All Persons - xUnit Test
- 182. Get All Persons - Implementation
- 183. TestOutputHelper
- 184. Get Filtered Persons - xUnit Test
- 185. Get Filtered Persons - Implementation
- 186. Get Sorted Persons - xUnit Test
- 187. Get Sorted Persons - Implementation
- 188. Update Person - Creating DTO
- 189. Update Person - xUnit Test
- 190. Update Person - Implementation
- 191. Delete Person - xUnit Test
- 192. Delete Person - Implementation
- 193. Notes
- 194. Section Cheat Sheet (PPT)
- Assignment 26: Section 15 Interview Questions
- Assignment 27: Stocks App with xUnit

Section 16: CRUD Operations

0 / 14 | 2hr 56min

0 of 14 lectures completed 2hr 56min

- 195. Getting Started with UI
- 196. Mock Data
- 197. List View
- 198. Search in List View - Part 1
- 199. Search in List View - Part 2
- 200. Sort in List View - Part 1
- 201. Sort in List View - Part 2
- 202. Create View - Part 1
- 203. Create View - Part 2
- 204. Attribute Routing
- 205. Notes
- 206. Section Cheat sheet (PPT)
- Assignment 28: Section 16 Interview Questions

Assignment 29: Stocks App with CRUD Operations

Section 17: Tag Helpers

0 / 13 | 2hr 27min

0 of 13 lectures completed 2hr 27min

207. Introduction to Tag Helpers

208. Form Tag Helpers

209. Input Tag Helpers - Part 1

210. Input Tag Helpers - Part 2

211. Client Side Validations

212. Script Tag Helpers

213. Image Tag Helpers

214. Edit View

215. Delete View

216. Notes

217. Section Cheat Sheet (PPT)

Assignment 30: Section 17 Interview Questions

Assignment 31: Stocks App with Tag Helpers

Section 18: EntityFrameworkCore

1 / 28 | 6hr 25min

1 of 28 lectures completed 6hr 25min

218. Introduction to EntityFrameworkCore

219. EFCore Approaches

220. DbContext and DbSet

221. Connection String

222. Seed Data

223. Migrations

224. EF CRUD Operations

225. How EF Query Works

226. EF Stored Proc

227. EF Stored Proc with Parameters

228. Changes in Table Structure

229. Fluent API - Part 1

- 230. Fluent API - Part 2
- 231. Table Relations with EF
- 232. Async EF Operations
- 233. Async Controller Action Methods
- 234. Async Unit Test Methods
- 235. Generate PDF Files
- 236. Generate CSV Files - Part 1
- 237. Generate CSV Files - Part 2
- 238. Generate Excel Files
- 239. Excel to Database Upload - Part 1
- 240. Excel to Database Upload - Part 2
- 241. Excel to Database Upload - Part 3
- 242. Notes
- 243. Section Cheat Sheet (PPT)

Assignment 32: Section 18 Interview Questions

Assignment 33: Stocks App with EntityFrameworkCore

Section 19: Advanced Unit Testing [Moq & Repository Pattern]

0 / 24 | 5hr 50min

0 of 24 lectures completed 5hr 50min

- 244. Best Practices of Unit Tests
- 245. Mock DbContext
- 246. AutoFixture - Part 1
- 247. AutoFixture - Part 2
- 248. Fluent Assertions - Part 1
- 249. Fluent Assertions - Part 2
- 250. Fluent Assertions - Cheat Sheet
- 251. Introduction to Repository
- 252. Repository Implementation - Part 1
- 253. Repository Implementation - Part 2
- 254. Invoke Repository in Service - Part 1
- 255. Invoke Repository in Service - Part 2
- 256. Pros and Cons of Repository Pattern

257. Mock Repository - Part 1
258. Mock Repository - Part 2
259. Mock Repository - Part 3
260. Controller Unit Test - Part 1
261. Controller Unit Test - Part 2
262. Integration Test
263. Integration Test with Response Body
264. Notes
265. Section Cheat Sheet (PPT)
Assignment 34: Section 19 Interview Questions
Assignment 35: Stocks App with Moq

Section 20: Logging and Serilog

0 / 19 | 2hr 35min

0 of 19 lectures completed 2hr 35min

266. Introduction Logging
267. ILogger
268. Logging Configuration
269. Logging Providers
270. ILogger in Controller
271. HTTP Logging
272. HTTP Logging Options
273. Serilog Basics
274. Serilog File Sink
275. Serilog Database Sink
276. Serilog Seq
277. Serilog RequestId
278. Serilog Enrichers
279. Serilog IDiagnosticContext
280. Serilog Timings
281. Notes
282. Section Cheat Sheet (PPT)
Assignment 36: Section 20 Interview Questions

Assignment 37: Stocks App with Logging

Section 21: Filters

0 / 29 | 7hr 11min

0 of 29 lectures completed 7hr 11min

283. Introduction to Filters

284. Action Filter

285. Parameter Validation in Action Filter

286. ViewData in Action Filter

287. Serilog Structured Logging

288. Filter Arguments

289. Global Filters

290. Custom Order of Filters

291. IOrderedFilter

292. Async Filters

293. Short Circuiting Action Filter

294. Result Filter

295. Resource Filter

296. Authorization Filter

297. Exception Filter

298. Impact of Short Circuiting

299. IAlwaysRunResultFilter

300. Filter Overrides

301. Service Filter

302. Filter Attribute Classes

303. IFilterFactory

304. Filters vs Middleware

305. UI Enhancements - Part 1

306. UI Enhancements - Part 2

307. Configure Services Extension

308. Notes

309. Section Cheat Sheet (PPT)

Assignment 38: Section 21 Interview Questions

Assignment 39: Stocks App with Filters

Section 22: Error Handling

0 / 7 | 59min

0 of 7 lectures completed59min

310. Exception Handling Middleware

311. Custom Exceptions

312. UseExceptionHandler

313. Notes

314. Section Cheat Sheet (PPT)

Assignment 40: Section 22 Interview Questions

Assignment 41: Stocks App with Error Handling

Section 23: SOLID Principles

0 / 12 | 1hr 54min

0 of 12 lectures completed1hr 54min

315. Overview of SOLID Principles

316. Dependency Inversion Principle (Revision)

317. Single Responsibility Principle

318. Interface Segregation Principle

319. ISP in Tests

320. Open/Closed Principle

321. OCP with Inheritance

322. Liskov Substitution Principle

323. Notes

324. Section Cheat Sheet (PPT)

Assignment 42: Section 23 Interview Questions

Assignment 43: Stocks App with SOLID Principles

Section 24: Clean Architecture

0 / 9 | 1hr 22min

0 of 9 lectures completed1hr 22min

325. Overview of Clean Architecture

326. Core

327. Infrastructure

328. UI

329. Tests

330. Notes

331. Section Cheat Sheet (PPT)

Assignment 44: Section 24 Interview Questions

Assignment 45: Stocks App with Clean Architecture

Section 25: Identity, Authorization, Security

0 / 24 | 5hr 4min

0 of 24 lectures completed 5hr 4min

332. Introduction to Identity

333. Creating Models

334. Register View

335. Adding Identity

336. User Manager

337. SignIn Manager

338. Login/Logout Buttons

339. Active Nav Link

340. Password Complexity Configuration

341. Login View

342. Authorization Policy

343. returnUrl

344. Remote Validation

345. Conventional Routing

346. User Roles

347. Areas

348. Role Based Authentication

349. Custom Authorization Policies

350. HTTPS

351. XSRF - Part 1

352. XSRF - Part 2

353. Notes

354. Section Cheat Sheet (PPT)

Assignment 46: Section 25 Interview Questions

Section 26: Asp.Net Core Web API

0 / 14 | 2hr 28min

0 of 14 lectures completed2hr 28min

355. Introduction to Web API

356. Creating Web API Project

357. Web API Controllers

358. EntityFrameworkCore with Web API

359. Web API Controllers with EF Core - Part 1

360. Web API Controllers with EF Core - Part 2

361. Web API Controllers with EF Core - Part 3

362. ProblemDetails

363. IActionResult vs ActionResult

364. ControllerBase

365. Notes

366. Section Cheat Sheet (PPT)

Assignment 47: Section 26 Interview Questions

Lecture incomplete. Progress cannot be changed for this item.

Start

Assignment 48: Orders Web API

Section 27: Swagger / Open API

0 / 9 | 1hr 16min

0 of 9 lectures completed1hr 16min

367. Swagger / Open API - Basics

368. Documentation Comments

369. Content Negotiation

370. API Versions - Part 1

371. API Versions - Part 2

372. API Versions - Part 3

373. Notes

374. Section Cheat Sheet (PPT)

Assignment 49: Section 27 Interview Questions

Section 28: Angular and CORS

0 / 16 | 2hr 36min

0 of 16 lectures completed 2hr 36min

375. Creating Angular App

376. Angular AppComponent

377. Angular Service

378. Angular Cities Component

379. Invoking Web API Services

380. CORS Basics

381. CORS Configuration

382. Default CORS Policy

383. Custom CORS Policy

384. Angular POST

385. Angular PUT

386. Angular DELETE

387. Clean Architecture with Web API

388. Notes

389. Section Cheat Sheet (PPT)

Assignment 50: Section 28 Interview Questions

Section 29: JWT & Web API Authentication

0 / 14 | 4hr 10min

0 of 14 lectures completed 4hr 10min

390. Identity with Web API

391. Register Endpoint

392. Register UI

393. Login Endpoint

394. Login UI

395. JWT Basics

396. Generating JWT Tokens - Part 1

397. Generating JWT Tokens - Part 2

398. Authorization with JWT

399. Refresh Tokens - Part 1

400. Refresh Tokens - Part 2

401. Notes

402. Section Cheat Sheet (PPT)

Assignment 51: Section 29 Interview Questions

Section 30: Minimal API (new feature)

0 / 11 | 1hr 47min

0 of 11 lectures completed1hr 47min

403. Introduction to Minimal API

404. Creating Basic Minimal API

405. GET and POST with Minimal API

406. Route Parameters

407. MapGroups

408. IResult

409. End Point Filters

410. IEndpointFilter

411. Notes

412. Section Cheat Sheet (PPT)

Assignment 52: Section 30 Interview Questions

Section 31: New Features of ASP .NET Core 8

0 / 1 | 1min

0 of 1 lecture completed1min

413. New Features of ASP .NET Core 8

Section 32: Extra: C# Essentials (Optional)

0 / 18 | 4hr 31min

0 of 18 lectures completed4hr 31min

414. Extension Methods

415. Anonymous Methods

416. Lambda Expressions

417. Dictionary

418. Collection of Objects

419. Object Relations

420. Interfaces

421. LINQ Basics

422. LINQ - OrderBy

423. LINQ - First and FirstOrDefault

424. LINQ - Last and LastOrDefault

Lecture incomplete. Progress cannot be changed for this item.

Play

425. LINQ - ElementAt and ElementOrDefault

426. LINQ - Single and SingleOrDefault

427. LINQ - Select

428. LINQ - Min and Max

429. C# 9 - Top Level Statements

430. C# 9 - Nullable Reference Types

431. Section Cheat Sheet (PPT)

Section 33: Practical Test

0 / 2 | 0min

0 of 2 lectures completed0min

Practice Test 1: Final Practical Test - Level 1

Start

Practice Test 2: Final Practical Test - Level 2

Section 34: The End

1 / 2 | 2min

1 of 2 lectures completed2min

Lecture incomplete. Progress cannot be changed for this item.

Start

432. Outro

1min

Lecture completed. Progress cannot be changed for this item.

Start

433. Bonus Lecture